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## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 16 82 83 92

Classification of the application (IPC):  
C12N 5/02, C12N 5/0789, C12N 5/0797, A61K 35/28, A61K 35/44

Technical fields searched (IPC):  
C12N, A61K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	<b>JASON M. BUTLER ET AL:</b> "Endothelial Cells Are Essential for the Self-Renewal and Repopulation of Notch-Dependent Hematopoietic Stem Cells" <i>CELL STEM CELL</i> AMSTERDAM, NL 01 March 2010 (2010-03-01), vol. 6, no. 3, DOI: 10.1016/j.stem.2010.02.001, ISSN: 1934-5909, pages 251-264, XP055267442 * abstract * * figure 1 *	1-14
X	<b>CABRITA G J M ET AL:</b> "Hematopoietic stem cells: from the bone to the bioreactor" <i>TRENDS IN BIOTECHNOL, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB</i> , 01 May 2003 (2003-05-01), vol. 21, no. 5, DOI: 10.1016/S0167-7799(03)00076-3, ISSN: 0167-7799, pages 233-240, XP004422159 * abstract * * table 3 *	1-14
X	<b>BRANDT J E ET AL:</b> "Ex vivo expansion of autologous bone marrow CD34+cells with porcine microvascular endothelial cells results in a graft capable of rescuing lethally irradiated baboons" <i>BLOOD, AMERICAN SOCIETY OF HEMATOLOGY, US</i> , 01 July 1999 (1999-07-01), vol. 94, no. 1, ISSN: 0006-4971, pages 106-113, XP002963384 * abstract * * Ex vivo expansion cultures;page 107 *	1-14
X	<b>CAO XUE ET AL:</b> "The hollow fiber bioreactor as a stroma-supported, serum-free ex vivo expansion platform for human umbilical cord blood cells" <i>BIOTECHNOLOGY JOURNAL</i> DE 24 February 2014 (2014-02-24), vol. 9, no. 7, DOI: 10.1002/biot.201300320, ISSN: 1860-6768, pages 980-989, XP055524404 * abstract *	1-14
X	WO 9511692 A1 (US NAVY [US]) 04 May 1995 (1995-05-04) * claims 1-20 * * page 21, line 17 - line 24 *	1-14

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 16 November 2018	Examiner Loubradou-Bourges, N
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
&: member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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EP 16 82 83 92

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 16-11-2018  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9511692	A1	04-05-1995	AU 8128094 A 22-05-1995
			DE 69433168 D1 23-10-2003
			DE 69433168 T2 24-06-2004
			EP 0812201 A1 17-12-1997
			US 5599703 A 04-02-1997
			WO 9511692 A1 04-05-1995